

Surveillance and Broadcast Services

Alaska Industry Council

By: Jere Hayslett

Date: June 13, 2007



Federal Aviation
Administration



AGENDA

- **Opening Remarks – Jere Hayslett**
- **MOA/AIC Update – Karen Casanovas**
- **WAAS – JoAnn Ford**
- **Operations Update – Jim Hill**
- **Technical Update – Walter Combs**
- **Round Table**



Acquisition Status: Schedule

Task:	Date / Status:
Release of Request for Offer (RFO)	Complete
Business and Technical Responses Due	June 4, 2007
Cost Proposals Due	June 20, 2007
RFO Evaluation Complete (Business, Technical and Cost)	July 5, 2007
RFO Final Report Completion	July 20, 2007
Final Report Approval	July 27, 2007
CIT Review	August 17, 2007
Executive Council Briefing	August 21, 2007
Joint Resource Council (JRC)	August 28, 2007
Contract Award	August 30, 2007



Rulemaking Status

Task:	Date / Status:
Preliminary Team Concurrence of NPRM	Complete
Economic Evaluation of NPRM	Complete
Final Team Concurrence (through Director level) of NPRM	Complete
Associate Level Concurrence of NPRM	In process; AVS-1 and AEP-1 have concurred
AGC-1 Approval of NPRM	In process
ADA/AOA Approval of NPRM	5/30/2007
OST Approval of NPRM (given standard 30 days as indicated in the rulemaking manual)	6/29/2007
OMB Approval of NPRM (given standard 90 days as directed by Executive Order)	9/28/2007
Issuance	No later than September 2007



MOA/AIC UPDATE

- **AIC Continues to meet weekly**
- **Site Implementation Team**
- **Avionics Equipage Team**
- **External Coordination Team**
- **Draft Plan v5.0**
- **AIC oversight shared responsibility between FAA's SBS Program Office and the Alaska Aviation Organizations**



Action Items

- **Final AIC and SBS review of Plan - 6/29**
- **Final modifications**
- **Determine comprehensive list of airports – ongoing**
- **Ground Deployment Schedule – ongoing**
- **Letters of justification for airport upgrades – awaiting additional responses**
- **Define Service Volume areas & re-evaluate GBTs and include Benefit Information – ongoing**
- **Briefing for State DOT Commissioner/Deputy – 6/20**
- **Coordinate more signers to the MOA - ongoing**



Navigation Services Update

JoAnn Y Ford
Navigation Services

Briefing to the Alaska Industry Council (via
telecom)

June 13, 2007



Federal Aviation
Administration



NAS LPV Procedure to 200' Decision Altitude: Progress to Date

LPVs Published to 200' Decision Altitude 10*

Pueblo Muni, CO: Rwy 26R

Hartsfield-Jackson, Atlanta, GA: Rwy 9L, 9R, 27L, 27R

Duluth, MN: Rwy 9

Greer/Greenville Spartanburg, SC: Rwy 4, 22

*Oklahoma City, OK: Rwy 17L increase HAT to 401 due to temporary crane

*Anderson, SC: Rwy 5, increase HAT to 250 due to application of FAS data block using 50 meter VAL versus 35 VAL



Alaska Potential WAAS LPV: Survey Status

- **Alaskan Airports VFR – IFR Improvements**
 - WAAS-directed surveys thru Airport Improvement Program (awaiting obstruction data from NGS – to be completed NLT Sept 1, 2007):
 - Galena (GAL) Rwy 7 & 25
 - Gustavus (GST) Rwy 29
 - Illiamna (ILI) RWY 17 & 35, Rwy 7 & 25
 - McGrath (MCG) Rwy 16
 - Saint Marys (KSM) Rwy 17 & 35
 - Sand Point (SDP) Rwy 13
- Source: AVN (FAA Procedures office OKC) and NGS



Alaska Potential WAAS LPV: Survey Status (cont)

- **Alaskan Airports VFR – IFR Improvements**
 - **SBS Capstone survey initiative: Dec 2006/April 2007**
Alaska RAPT approved list of 22 airports for surveys TBC NLT Sept 2007:
 - Birchwood, Brevig Mission, Central, Chuathbaluk, Circle City, Clarks Point, Eagle, Elim, Healy River, Hughes, Kasigluk, Koyukok, Kwethluk, Larsen Bay, Napakiak, **Quinhagak, Robert/Bob/Curtis/Noorvik, Shageluk, Shaktoolik, South Naknek NR 2, Tatetluk, White Mountain
 - (**tribal coordination required)
 - Procedures will be developed only after thorough coordination is completed
 - Source: AVN (FAA Procedures Office OKC)

Alaska Potential WAAS LPV: Survey Status (cont)

- **Alaskan Airports VFR – IFR Improvements via SBS Capstone survey initiative (cont)**
 - Completed aerial surveys at 21 of 22 airports (rescheduled Larson Bay (2A3) due to cloud cover)
 - Goal is 15 LPV surveys by September 2007
 - Already completed LPV surveys at 6 of 15 required runway ends (quality control/evaluation of this data by AJR and NGS is next step)
 - Birchwood (BCV): Rwy 1L / 19R = 2 runway ends
 - Healy River (HRR): Rwy 15/33 = 2 runway ends
 - Tatetlek (7KA): 2 runway ends

Alaska Potential WAAS LPV: Survey Status (cont)

- Alaskan Airports VFR – IFR Improvements via Capstone/SBS initiative (cont)
 - **Tentative** Survey Schedule for June 2007**:

LID	AL/OC	CITY/STATE	APPROACHES	EST. COMP. DATE
—	—	—	—	—
HRR	10320	HEALY, AK	ANA-15,33	06/09
CEM	10319	CENTRAL, AK	ANA-7,25	06/12
CRC	10332	CIRCLE, AK	ANA-15,33	06/15
EAA	10317	EAGLE, AK	ANA-6,24	06/19
WMO	10178	WHITE MOUNTAIN, AK	ANA-15,33	06/23
ELI	10270	ELIM, AK	ANA-1,19	06/27
2C7	10167	SHAKTOOLIK, AK	ANA-14,32	06/30
—	—	—	—	—

** SCHEDULE IS DYNAMIC, DATES ARE APPROXIMATE, AND SCHEDULE WILL SLIDE



Alaska Potential WAAS LPV: Survey Status (cont)

- **Alaskan Airports VFR – IFR Improvements via Capstone/SBS initiative (cont)**
 - **Tentative Survey Schedule for June 2007 (cont.)**:**

LID	AL/OC	CITY/STATE	APPROACHES	EST. COMP. DATE
7KA	10333	TATITLEK, AK	ANA-12,30	06/09
2A3	10324	LARSEN BAY, AK	ANA-4,22	06/14
WSN	10326	SOUTH NAKNEK, AK	ANA-4,22,12,30	06/19
CLP	10302	CLARKS POINT, AK	ANA-18,36	06/22
AQH	10252	QUINHAGAK, AK	ANA-12,30	06/27

* **SCHEDULE IS DYNAMIC, DATES ARE APPROXIMATE, AND SCHEDULE WILL SLIDE



Alaska Potential WAAS LPV: Survey Status (cont) (Source: AVN/NGS)

- **WAAS Program Surveys submitted to FAA thru 3rd party survey program (completed and obstruction data loaded)**
 - Prospect Creek (PPC) Rwy 18/36
 - Galbraith Lake (GBH) – RWY 12/30
 - Gulkana (GKN) – Rwy 15/33
 - Huslia (HLA) – Rwy 03/21
 - Kaltag (KAL) – Rwy 03/21
 - Kotzebue (OTZ) – Rwy 08/26
 - Allakaket (6A8) – Rwy 5/23
 - Ruby (RBY) – Rwy 03/21



Alaska Potential WAAS LPV: Survey Status (cont) (Source: AVN)

- **WAAS Program Surveys submitted to FAA thru 3rd party survey program (completed and obstruction data loaded) (cont)**
 - Nikolski (IKO) – Rwy 08/26: March 2007 AVN determined not a candidate for LPV due to terrain issues, no comm below 20,000', weather on 130.3 was N/A, no local comm or RCO available; possibly LP approach; LNAV flight check pending
 - Red Dog (DGG) – Rwy 14/22 (pending NGS validation)
 - Kodiak Island (ADQ) – Rwy 07/25 (pending NGS validation); taking longer than others due to manual entry of data



Alaska WAAS LPV Approach Status

- **Successful LPV Flight Checks April 27, 2007**

- Anchorage - Rwy 7L, 7R, 14
- Homer – Rwy 3, 21
- Emmonak – Rwy 16/24
- St. Michaels – Rwy 20

– Source: AVN (FAA procedures Office OKC)

Alaska Flight Check Results (minimums)

- NOTAMs cancelled for ANC on 05/04/07 (now useable):
- ANC Rwy 07L - 390' DA, 262' HAT RVR 24 (Vis 300-1/2)
ANC Rwy 07R - 380' DA, 250' HAT RVR 24 (Vis 300-1/2)
ANC Rwy 14 - 410' DA, 259' HAT RVR 40 (Vis 300-3/4)
- Awaiting publication 07/05/07 (minimums will be revisited at a later date, after SRMD is signed):
HOM Rwy 3 - 333' DA, 255' HAT (Vis 300-1)
HOM Rwy 21 - 386' DA, 302' HAT (Vis 400-1)

EMM Rwy 16 - 263' DA, 250' HAT (Vis 300-1)
EMM Rwy 34 - 263' DA, 250' HAT (Vis 300-1)

SMK Rwy 20 - 333' DA, 250 HAT (Vis 300-1).

OPERATIONAL UPDATE

- **Expansion of Surveillance Services**
 - Request forwarded to AOV, 5/3/07
 - Approval granted 5/18/07
 - Press release - approval of Separation Standards at: www.faa.gov/capstone
 - MEARTS Modification (Southeast Alaska)
- **Performance Based Navigation (PBN)**
 - Report on Teleconference
- **Avionics**
 - Installations Update
 - On schedule for Oct 07 Installation
- **Outage Notification**



OPERATIONAL UPDATE

- **Expansion of Surveillance Services**
 - Request forwarded to AOV, 5/3/07
 - Approval granted 5/31/07
 - Press release - approval of Separation Standards at: www.faa.gov/capstone
 - Coordinating Notice to .65
 - MEARTS Modification (Southeast Alaska)
- **Performance Based Navigation (PBN)**
 - Status
- **Avionics**
 - Installations Update
 - On schedule for Oct 07 Installation

TECHNICAL UPDATE

- **State Wide**

- Deployment Initial Service Volumes July 07**

- Service Volume 6 ANC-FAI
 - Service Volume 11 OME
 - Service Volume 13 OTZ

- **Southeast Phase II/Segment One**

- Ground Stations
 - Essential Services: OFMS, FIS-B, SAR, August 2007
 - OFMS Update (NCP, Security, Circuit to JHU)
 - TIS restored in Anchorage bowl May 5, 2007
 - Critical Services: June 2008 (Dependent on MEARTS Mod)
 - Wide Area Multilateration (WAM)
 - FAA Owned and Maintained System
 - Initial Site Survey Completed 4/6/07
 - Engineering Site Surveys, Juneau, 21 Completed
 - Construction Installation Start July 2007